



Figure 1

Figure 2.

Average Ct

Sample

Human Genomic_clontech
Malignant mammary adenocarcinoma pleural effusion
Mammary ductal carcinoma plueral effusion
Mammary ductal carcinoma_human_45537
Mammary ductal carcinoma_human_45523
Mammary ductal carcinoma_human_45535
transformed primary embryonal kidney_human

Housekeeper Target

| | |
|-------------|-------------|
| 23.40229767 | 24.718297 |
| 24.57459367 | 25.62105175 |
| 23.935565 | 25.064095 |
| 24.06496275 | 24.8361145 |
| 24.286542 | 25.59857167 |
| 24.271219 | 25.62112767 |
| 24.136573 | 25.86051867 |

Figure 3.

Target Normalized with Housekeeper

Sample

Human Genomic_clontech (Calibrator)
Malignant mammary adenocarcinoma pleural effusion
Mammary ductal carcinoma plueral effusion
Mammary ductal carcinoma_human_45537
Mammary ductal carcinoma_human_45523
Mammary ductal carcinoma_human_45535
transformed primary embryonal kidney_human

Δ Ct **Stdev (Δ Ct)**

| | |
|-------|------|
| 1.69 | 0.22 |
| -1.85 | 0.14 |
| 1.12 | 0.24 |
| 1.02 | 0.16 |
| 0.49 | 0.26 |
| 1.03 | 0.18 |
| 1.81 | 0.15 |

Figure 4.

Target Normalized with Housekeeper

| Sample | ΔCt | Stdev (ΔCt) | $\Delta\Delta Ct$ | Stdev ($\Delta\Delta Ct$) | Comparative expression level |
|---|-------------|--------------------------|-------------------|--------------------------------|------------------------------------|
| Human Genomic_clontech (Calibrator) | 1.69 | 0.22 | 0 | 0.22 | 1 |
| Malignant mammary adenocarcinoma pleural effusion | -1.85 | 0.14 | -3.54 | 0.14 | 11.60 |
| Mammary ductal carcinoma plueral effusion | 1.12 | 0.24 | -0.57 | 0.24 | 1.48 |
| Mammary ductal carcinoma_human_45537 | 1.02 | 0.16 | -0.67 | 0.16 | 1.59 |
| Mammary ductal carcinoma_human_45523 | 0.49 | 0.26 | -1.20 | 0.26 | 2.30 |
| Mammary ductal carcinoma_human_45535 | 1.03 | 0.18 | -0.66 | 0.18 | 1.58 |
| transformed primary embryonal kidney_human | 1.81 | 0.15 | 0.12 | 0.15 | 0.92 |